

ABSTRACT

A transverse leaf spring structure and a manufacturing method for a composite transverse leaf spring is disclosed. The leaf spring is formed using a pre-formed tubular fiberglass fabric comprising longitudinally aligned and braided fiberglass fibers. The fabric is installed over an interior form, such as one or more inflatable bladders, and positioned within a forming mold. After resin is applied and cured to an appropriate stiffness within the mold, the mold is removed. The interior form is then removed from the composite leaf spring.

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